

In the Specification:

Please amend the Specification as shown below. Applicants respectfully submits that the proposed amendments correct informalities in the Specification, and that no new matter is being added.

At Page 10, Line 1, please replace the paragraph therein with the following:

In one embodiment, each user creates an individual synthesized library 308, although learned data is preferably provided to the Lookup Database. If one user pulls an individual plan out of the library and executes it, a set of performance specifications will be stored to the library. Later, if the same or a different user calls up the same plan, giving it a different set of performance specifications, the plan preferably takes advantage of the fact that the cell in that plan has been operated on before by reading data from the Lookup Database 306.

At Page 12, Line 23, before the sentence beginning "A preferred embodiment ...", please insert the following new paragraph:

Figure 4 is a diagram of an optimization method 400 in accordance with one embodiment of the present invention. As shown in Figure 4, in block 402, a set of circuit parameters are generated for each performance characteristic of a circuit. In block 404, the method simultaneously passes each set of circuit parameters through a respective circuit model. In block 406, a simulation is run on each circuit model on an analysis test bench in order to measure performance using the set of circuit parameters. In block 408, the method determines whether specifications were met for each simulation in an optimizer. In block 410, if the specifications where met, then in block 414 the method outputs optimized parameters. Otherwise, in block 416, the method generates new parameters and returns to block 404.